Komisija za študijske zadeve
UL Medicinske fakultete

Univerza v Ljubljani
Medicinska fakulteta

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Course Regime

Course: Anatomy 2

Study Programme:
Medicine

Year of the Course: 2

Semester:
Winter

Course type:
Compulsory

Number of ECTS credits: 5

Lecturer(s): Erika Cvetko, Marija Meznarič

Participating Organisational Units (Departments and Institutes):

Date of Issue:
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A. General part *(applies to compulsory and elective courses)*

1. Course objectives

The students learn about systemic, topographic and clinical applicative anatomy of the head and neck, central nervous system and senses. The acquired knowledge about normal anatomy will allow the students to understand how human body functions, and be the basis for identifying pathological changes.

2. Comprehensive outline of the course organisation

The course comprises lectures, seminars and practical classes, scheduled through the fall semesters. In the fall semester: 2 hour of lectures, 1 hour of seminar and 4 hours of practical classes per week.

Students must be prepared for practical classes, i.e. learn the theoretical basis of the relevant topics. We advise to use “Navodila za vaje za predmet Anatomija II" that is also accessible online (e-classroom). Students must wear a protective coat and protective gloves, and bring anatomic tweezers and relevant literature.

Attendance at practical classes is mandatory. Absence due to illness may only be excused based on a doctor’s note. Other unplanned absences might be excused with suitable written notes. Students may substitute for the missed practical class in the same week, upon prior agreement with the practical class instructor.

Student who missed practical class either for justified reasons or without excuse must defend the missed topic in agreement with practical class instructor. Student may defend the missed topic on the next practical class or obligatory not later than one week before the exam. If the student did not defend the missed topic till the end of the semester, he must address a request for the defence to the practical class instructor and inform the secretary's office of the Institute of Anatomy (anatomija.tajnistvo@mf.uni-lj.si) at the same time.

3. Description of on-going assessment of knowledge and skills

Before the practical class starts and during the class, the instructor shall test students’ preparedness for the class (their theoretical knowledge on the relevant topic) through discussions. Attendance, preparedness for the class, and engagement during the class are preconditions for passing the practical class. Students failing to meet the target shall not pass the class and will have to take the test as specified under item 2.

4. Required conditions for the final examination (Course Exam)

Students may only take the final course exam if they have successfully completed the practical classes.

5. Final assessment and examination of knowledge and skills (Course Exam)

The final course examination comprises a 90-minute written exam (10 essay type questions), and an oral exam that lasts for about 30 minutes and includes practical examination on anatomic specimens. A passing grade for the written exam (at least 60%) is a precondition for taking the oral exam.

6. Other provisions

These provisions are compliant with the Article 34 of the Rules on Examinations and Grading of Knowledge and Skills for Uniform Second Level Master's Programs Medicine and Dental Medicine. Students may only use a pen during the written exam.

Examination is based in the Catalogue of Exam Topics, and Clinical Pictures and Skills.

The list of course literature is listed below and published on the website of the Institute of Anatomy and in the e-classroom.

7. Fundamental study material and Supplement reading

Fundamental study material

Textbooks

Kobe in sodelavci: Anatomija I, III, IV, skripta za študente medicine, Medicinska fakulteta, Ljubljana, the most recent edition
Širca A: Anatomija II, skripta za študente medicine, Medicinska fakulteta, Ljubljana, 2019

Instructions for practical classes
Cvetko E, Meznarič M: Navodila za vaje za predmet Anatomija 2. Medicinska fakulteta, Ljubljana, 2013

Atlases
Bertolini-Leutert: Anatomski atlas I-III, Slovenska izdaja. DZS Ljubljana
Feneis H: Pocket Atlas of Human Anatomy
Gilroy AM et al.: Atlas of Anatomy. New York: Thieme
Gosling et al.: Human anatomy. Colour atlas and textbook. Student consult. Edinburgh: Elsevier
Kiss F, Szentágothai J: Atlas of Human Anatomy, Volumes 1-3, Springer Netherlands
Leonhardt H: Color Atlas and Textbook of Human Anatomy
McMinn RMH et al.: Barvni atlas anatomije človeka. Slovenska izdaja. EWO Ljubljana
Netter FH: Atlas anatomije človeka. Slovenska izdaja, Data Status, Beograd
Paulsen et al.: Sobotta Atlas of Human Anatomy, Volumes 1-3, Elsevier, Munchen
Toldt-Hochstetter: Anatomischer Atlas, Urban Schwarzenberg, Munchen-Berlin
Köpf-Maier, P: Wolf-Heidegger's Atlas of Human Anatomy. Karger, Basel
Schuenke M et al.: Thieme Atlas of Anatomy. Thieme, Stuttgart-New York

Nomenclature
Slovenian medical dictionary: https://www.termania.net/slovarji/95/slovenski-medicinski-slovar
Terminologia Anatomica: http://terminologia-anatomica.org/en/Terms ali https://www.unifr.ch/ifaa/Public/EntryPage/TA98%20Tree/Alpha/All%20KWIC%20W%20LA.htm

Supplement reading

Gray's Anatomy, Churchill-Livingstone
Moore KL: Clinically Oriented Anatomy. Williams and Wilkins, Baltimore
E-Classroom material

Cvetko E, Meznarič-Petruša M: Anatomski atlas. Prerezi glave in vratu. Ljubljana: Medicinska fakulteta

8. Exam topics, clinical presentations and skills

Exam topics

LECTURES	References
1. Uvod v anatomijo glave in vratu	Kobe V in sod. Anatomija 1
2. Lobanjska baza	Kobe V in sod. Anatomija 1
3. Nosna votlina	Kobe V in sod. Anatomija 1, 4
4. Žrelo	Kobe V in sod. Anatomija 4
5. Goltna ožina in mehko nebo	Kobe V in sod. Anatomija 4
6. Grlo	Kobe V in sod. Anatomija 4
7. Žilje in bezgavke glave in vratu	Kobe V in sod. Anatomija 3
8. Vegetativno živčevje in parasimpatični gangliji	Širca A. Anatomija 2
9. Možgansko deblo in možganski živci	Širca A. Anatomija 2
10. N. Intermediofacialis	Širca A. Anatomija 2
11. Trigonum colli laterale, trigonum caroticum	Kobe V in sod. Anatomija 1, 3, 4 Širca A. Anatomija 2
12. Trigonum submandibulare in ustno dno	Kobe V in sod. Anatomija 1, 3, 4 Širca A. Anatomija 2
13. Infratemporalna kotanja	Kobe V in sod. Anatomija 1, 3, 4 Širca A. Anatomija 2
14. Retromandibularna kotanja	Kobe V in sod. Anatomija 1, 3, 4 Širca A. Anatomija 2
15. Principi organizacije centralnega živčnega sistema	Širca A. Anatomija 2
16. Proge splošne somatske senzibilitete	Širca A. Anatomija 2
17. Piramidna proga, motorične proge možganskega debla	Širca A. Anatomija 2
18. Bazalni gangliji in mali možgani	Širca A. Anatomija 2
19. Meninge in žilje	Širca A. Anatomija 2 Kobe V in sod. Anatomija 3
20. Hrbtenjača	Širca A. Anatomija 2
21. Vidni sistem	Širca A. Anatomija 2
22. Slušni sistem	Širca A. Anatomija 2

SEMINARS AND PRACTICAL CLASSES	
1. Os frontale, parietale, occipitale	Kobe V in sod. Anatomija 1
2. Os ethmoidale, sphenoidale, temporale	Kobe V in sod. Anatomija 1
3. Maxilla, mandibula, os nasale, lacrimale, palatinum, hyoideum, concha nasalis inferior, vomer, os zygomaticum	Kobe V in sod. Anatomija 1
4. Orbita, fossa temporalis, infratemporalis, pterygopalatina	Kobe V in sod. Anatomija 1
5. Sklepi glave, mečave, mimične mišice	Kobe V in sod. Anatomija 1
6. Mišice vratu in zatilja	Kobe V in sod. Anatomija 1

7. Ustna votlina, mehko nebo, žleze slinavke, žvečne mišice	Kobe V in sod. Anatomija 4
8. Žrelo	Kobe V in sod. Anatomija 4
9. Nosna votlina, obnosne votline (os ethmoidale, maxilla)	Kobe V in sod. Anatomija 1, 4
10. Grlo, sapnik, ščitnica	Kobe V in sod. Anatomija 3, 4
11. Arterije, vene, bezgavke glave in vratu	Kobe V in sod. Anatomija 3
12. Možganski živci VII, IX, X, XI, XII	Širca A. Anatomija 2
13. N. trigeminus, parasimpatični gangliji	Širca A. Anatomija 2
14. Topografske regije glave in vratu ter prerezi	Kobe V in sod. Anatomija 1, 3, 4 Širca A. Anatomija 2
15. Hrbtenjača, spinalni živci, simpatični živci	Širca A. Anatomija 2
16. Možgansko deblo, mali možgani, IV. prekat	Širca A. Anatomija 2
17. Veliki možgani, skorja, rhinencephalon	Širca A. Anatomija 2
18. Veliki možgani, jedra, bela substanca	Širca A. Anatomija 2
19. Možganski prekati, možganski prerezi	Širca A. Anatomija 2
20. Možganske arterije, vene, venski sinusi, meninge	Širca A. Anatomija 2
21. Oko, očnica	Kobe V in sod. Anatomija 1 Širca A. Anatomija 2
22. Uho, senčnica	Kobe V in sod. Anatomija 1 Širca A. Anatomija 2